



MEETING MINUTES

PROJECT: Water Treatment Plant	PAGE: 1 of 2
OWNER: City of Long Beach	PROJECT NUMBER: 08856
MEETING DATE: 11/9/10	CONTRACTOR: Rotschy, Inc.

PRESENT: Rick Gray, City of Long Beach
Don Zuern, City of Long Beach
Casey Danforth, Rotschy, Inc.
Dan Naughton, PACE Engineers, Inc.
Dave Wiebe, PACE Engineers, Inc.

1. COMMENTS ON PREVIOUS MEETING:

- No discussion.

2. SCHEDULE:

- Casey Danforth provided the attached up-dated schedule after the conclusion of the meeting.
- The Motor Control Center (MCC) will not arrive on-site until mid-January.
- 1 heater and the lights may be run off of temporary power. All other electrical will require the MCC and permanent power.
- The plumber will be on-site next week.
- TMG will install the hypochlorite generator the week of Thanksgiving. TMG anticipates the installation should take 2 days. Casey will have both the plumber and the electrician on-site during the hypochlorite generator install.
- Drywall began today and is scheduled to be complete by 11/17.
- The painter is scheduled for 11/18 & 11/19.
- HVAC will be completed after the drywall installation is complete.
- The metal roof installation is anticipated to begin the week of Thanksgiving. As the WTP roof is already dried in, the priority will be the auxiliary buildings so that they may be dried in prior to insulation and sheetrock installation. Casey anticipates the auxiliary buildings will be complete by the end of the year.
- The PALL equipment is scheduled to arrive in mid-January.
- Due to the MCC and PALL equipment not arriving until mid-January, work on the project is anticipated to slow down during the month of December. Some subs will be on-site at various times throughout December to complete the auxiliary buildings and install the metal roof. It is not anticipated that this work will require Casey or a Rotschy crew or PACE to be on-site full time in December. Please note that Rotschy will still be responsible for coordinating all subs and keeping PACE and the City informed regarding work to be completed and scheduling.
- Pipe trench steel grating scheduled to arrive in late November. Rotschy won't begin laying pipework within the pipe trenches until the steel grating is installed.
- After taking into account the anticipated delivery dates for the MCC and the PALL equipment, Rotschy is still confident they will be able to meet the project schedule start-up and substantial completion dates.

3. SUBMITTALS:

- No discussion.

4. RFI'S:

- There was a discussion pertaining to RFI 37 and the type of electrical conduit to be installed inside the building. Per Cundiff's response, both RGS and EMT conduit are acceptable, however, Cundiff requested an appropriate credit if the contractor elected to install the thinner wall EMT conduit. After the discussion, all parties agreed that EMT conduit would be acceptable without a credit required, due to previous and potential future additional work the electrician has performed at no additional cost to the City.

5. PROPOSED CHANGE ORDERS:

- As a result of PACE's coordination with PALL, PALL has agreed to provide the analog input module for the VFD's at the Dohman impoundment at no cost to the City. PALL will be providing a revised price.



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6. CONSTRUCTION ISSUES:

- The truss mounted WTP heaters were installed, and the type of heaters used in the interior spaces was discussed. It was determined after reviewing the plans and submittal documents that ceiling mounted heating units were specified for the office and the restroom. The heaters currently on-site that were originally thought to be for the interior spaces are actually for the auxiliary buildings.
- Vent piping penetrations through the roof were discussed. Deck-Tite units will be used around the pipe penetrations to prevent any leakage. These will be installed at the time of the metal roof installation.
- Rick Gray discussed the treatment chemicals for the new WTP. Dan Naughton indicated that as per DOH, all chemicals were required to be "Food Grade".
- The ventilation fan equipment in the electrical room was discussed regarding the orientation of the blower/motor unit. To provide greater headroom clearance, the exhaust fan could be rotated horizontally to the east. PACE will coordinate with Cundiff to determine if there is a conflict with the electrical equipment with the exhaust fan oriented horizontally.
- As per Dan Naughton's email of 11/8/10, there is no conflict with the welding pattern on the gable ends of the WTP building. Carlson Testing will be distributing a revised inspection report specifically noting that the weld spacing was installed per PACE's design.
- The uncompleted yard piping installation was discussed. Rick Gray would like to wait as long as possible to avoid the potential for stagnant water in any pipelines.
- Bowls for the vertical turbine pumps are required to be epoxy coated. The manufacturer has proposed a porcelain coating. PACE has requested a submittal with appropriate documentation including NSF approval to verify that the proposed porcelain coating is an "or equal" product.
- There was discussion about the need for an armored wall around the Dohman generator. The cost by Rotschy is approximately \$5,000. The City will determine whether or not they want to construct the wall.
- Raw water sample point A will be relocated to upstream of the chlorine dioxide injection inside the chlorine dioxide injection vault. Rotschy will provide a cost for relocating sample point A. After reviewing the cost, the City will determine if they will self-perform the sample point relocation or authorize Rotschy to complete this work.
- There was a discussion about the bubbler tubes on the raw and finish water instrumentation panels. The contractor will install valves at the base of each unit for draining/cleaning purposes. The City will provide the PVC fittings.
- Sample point B.1 is not necessary and may be eliminated. Install sample point B on the raw water line as close to the skid 1 as possible.
- The radio telemetry change order cost includes all installation including footings. Casey will verify the installation requirements for the antenna at the WTP and the Dohman impound.
- As reviewed previously, Cundiff has verified that they have reviewed and take no exception to the vibration dampeners and seismic certifications as submitted for the two generators to be installed for this project.

7. CONTRACTOR CONCERNS:

- No discussion.

8. ENGINEER / CITY CONCERNS:

- Rick Gray will follow up with Siemens on the chlorine dioxide generator contract. The contract should include a more detailed scope as requested by PACE. Rick will also coordinate the schedule with Siemens anticipating that the chlorine dioxide building will be complete by January of 2011.

9. Q & A:

- No discussion.

LONG BEACH WATER TREATMENT PLANT

THREE WEEK ROLLING SCHEDULE

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